

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/591,752
Source: IFWP
Date Processed by STIC: 09/21/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

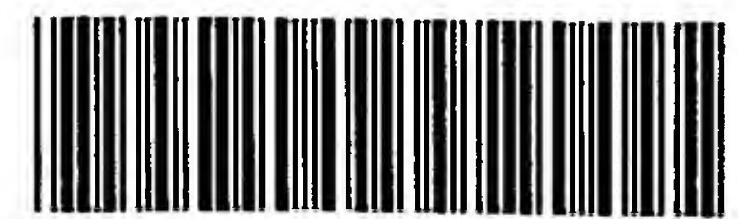
Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/591,752

DATE: 09/21/2006
TIME: 11:36:46

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\09212006\J591752.raw

4 <110> APPLICANT: Nara Institute of Science, Technology, Research Institute of Innovative

5 Technology for the Earth and Kinki University
W--> 6 <120> TITLE OF INVENTION: Transgenic plants
W--> 7 <130> FILE REFERENCE: C01F1576
C--> 8 <140> CURRENT APPLICATION NUMBER: US/10/591,752
C--> 8 <141> CURRENT FILING DATE: 2006-09-01
W--> 8 <160> NUMBER OF SEQ ID: 18

Does Not Comply
Corrected Diskette Needed
(pg-1, 2, 3, 5, 6, 7, 8)

ERRORED SEQUENCES

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45 225      230      235      240
46 Asn Tyr Lys Met Trp Asp Asp Lys Leu Lys Tyr Met Asp Asp Leu
47      245      250      255
48 Lys Glu Pro Gly Glu Ser Gln Lys Pro Tyr Ser Ser Arg Tyr Ile Gly
49      260      265      270
50 Ser Leu Val Gly Asp Phe His Arg Thr Leu Leu Tyr Gly Gly Ile Tyr
51      275      280      285
52 Gly Tyr Pro Arg Asp Ala Lys Ser Lys Asn Gly Lys Leu Arg Leu Leu
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54 Tyr Glu Cys Ala Pro Met Ser Phe Ile Val Glu Gln Ala Gly Gly Lys
55 305      310      315      320
56 Gly Ser Asp Gly His Gln Arg Ile Leu Asp Ile Gln Pro Thr Glu Ile
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PATENT APPLICATION: US/10/591,752

DATE: 09/21/2006
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2207

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Input Set : A:\pto.da.txt
Output Set: N:\CRF4\09212006\J591752.raw

466	ccgcttaccg gatacctgtc cgcccttctc cttcggaa gcgtggcgct ttctcaatgc	3960
467	tcacgctgtc ggtatcttag ttcgggttag gtcgttcgtc ccaagctggg ctgtgtgcac	4020
468	gaaccccccgttccagcccgcc ttatccggta actatcgct tgagtccaac	4080
469	ccggtaaagac acgacttatac gccactggca gcagccactg gtaacaggat tagcagagcg	4140
470	aggatgttag gcggtgctac agagtttttgc aagtgggtgc ctaactacgg ctacactaga	4200
471	aggacagtat ttggtatctg cgctctgtc aagccagtttgc cttcggaaa aagagttgg	4260
472	agctcttgcattccggcaaaca aaccaccgttgc ggtagcggtg gttttttgt ttgcggcaagcg	4320
473	cagattacyc gcagaaaaaaa aggtatcttgc aaagatcctt tgatctttc tacgggggtct	4380
474	gacgctcgttgc ggaacgaaaaa ctcacgtttaa gggattttgg tcatgagatt atcaaaaaagg	4440
475	atcttcacccat agatcctttt aaattaaaaaa tgaagtttta aatcaatcta aagtatatat	4500
476	gagtaaactt ggtctgacag ttaccaatgc ttaatcgttgc aggacccat ctcagcgatc	4560
477	tgtctatttc gttcatccat agttgcctgtc ctccccgtcg tgtagataac tacgataacgg	4620
478	gagggcttac catctggccc cagtgtgtca atgataccgc gagaccacg ctcaccggct	4680
479	ccagatttat cagcaataaaa ccagccagcc ggaagggcccg agcgcagaag tggccctgtca	4740
480	actttatccg cctccatcca gtctattaat tggccgggg aagctagagt aagtagttcg	4800
481	ccagttataa gtttgcgcaaa ctttgcgttgc attgctacag gcatcgtgg gtcacgctcg	4860
482	tcgtttggta tggcttcatt cagctccggc tcccaacgtt caaggcgagt tacatgatcc	4920
483	cccatgttgc gcaaaaaaagc gtttagctcc ttccggcctc cgatcgttgc cagaagtaag	4980
484	ttggccgcgatgttataacttgcat gatgtttatgc gacgactgc ataattctct tactgtttatgc	5040
485	ccatccgtaa gatgttttc tgtgactgtt gacttactcaa ccaagtctt ctgagaatag	5100
486	tgtatgcggc gaccgagttg ctcttgcggc gcatcgttgc gggataatac cgccacat	5160
487	agcagaacctt taaaagtgttgcatcatttgc aaacgttctt cggggcgaaa actctcaagg	5220
488	atcttaccgc ttttgcgttgc cagttcgatc taacccactc gtgcacccaa ctgatottca	5280
489	gcatcttttgc ttttgcgttgc ctttgcgttgc ttttgcgttgc ctttgcgttgc ctttgcgttgc	5340
490	aaaaagggaa taagggcgac acggaaatgt tgaataactca tactcttcct tttcaatata	5400
491	tattgaagca ttttgcgttgc ttttgcgttgc ttttgcgttgc ttttgcgttgc ttttgcgttgc	5460
492	aaaaataaaac aaatagggggt tccgcgcaca tttcccccggaa aagtgcacc tgacgtctaa	5520
493	gaaaccatta ttatcatgac attaacctt aaaaataggc gtatcacgag gccccttcgt	5580
494	c	5581
495	<210> SEQ ID NO: 15	
496	<211> LENGTH: 1434	
497	<212> TYPE: DNA	
498	<213> ORGANISM: Nicotiana tabacum	
499	<223> OTHER INFORMATION: rbcL	
500	<400> SEQUENCE: 15	

PLS Insert C2207

501	atgtcaccac aaacagagac taaagcaagt gttggattca aagctgggtgt taaagagtac	60
502	aaattgactt attatactcc tgagtaccaa accaaggat actgatattt ggcagcattc	120
503	cgagtaactc ctcacacccgttgc agttccacccgttgc gaaaggacag gggccgggttgc agctgccgaa	180
504	tcttctactg gtacatggac aactgtatgg accgatggac ttaccggcct tgatcgatc	240
505	aaagggcgat gctaccgttgc cgatcgttgc gttggagaaa aagatcaata tattgcttata	300
506	gtatgttacc ctttagacccgttgc ttttgcgttgc ggttctgttgc ccaacatgtt tacttccatt	360
507	gtatgttacc ttttgcgttgc ttttgcgttgc cccgttgcgttgc gtttgcgttgc ttttgcgttgc	420
508	cctccctgttgc ttttgcgttgc ttttgcgttgc ttttgcgttgc ttttgcgttgc ttttgcgttgc	480
509	aaatttgcgttgc ttttgcgttgc ttttgcgttgc ttttgcgttgc ttttgcgttgc ttttgcgttgc	540
510	tctgctaaaaa actacggtagt agccgtttat gaatgttttc gtcgtggact tgatgtttact	600
511	aaagatgttgc agaacgttgc ctcacacccgttgc ttttgcgttgc gtttgcgttgc ttttgcgttgc	660
512	tgtgccgttgc cactttataa agcacaggat gaaacaggat gaaatcaaagg gcattacttgc	720
513	aatgttgcgttgc caggtacatgttgc cgaagaaatgttgc ttttgcgttgc ttttgcgttgc	780
514	ggcggttccgttgc tcgtatgttgc ttttgcgttgc ttttgcgttgc ttttgcgttgc ttttgcgttgc	840

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/591,752

DATE: 09/21/2006
TIME: 11:36:46

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\09212006\J591752.raw

515 gtcattatt gccgagataa tggctactt cttcacatcc accgtgcaat gcatgcggtt	900
516 attgatagac agaagaatca tggtatccac ttccgggtat tagaaaaagc gttacgtatg	960
517 tctggtggag atcatattca ctctggtacc gtagtaggta aacttgaagg tgaaagagac	1020
518 ataactttgg gctttgttga tttactgcgt gatgatttg ttgaacaaga tcgaagtgc	1080
519 ggtatttatt tcactcaaga ttgggtctt ttaccaggtg ttctaccgt ggcttcagga	1140
520 ggtattcacf tttggcatat gcctgctcg accgagatct ttggggatga ttccgtacta	1200
521 cagttcggtg gaggaactt aggacatgt tgggtaatg cgccaggtgc cgtagcta	1260
522 cgagtagctc tagaaggatg tgtaaaagct cgtaatgaag gacgtgatct tgctcaggaa	1320
523 ggtaatgaaa ttattcgca ggcttgcaaa tggagcccg aactagctgc tgcttgcgaa	1380
524 gtatggaaag agatcgatt taatttgca gcagtggacg tttggataa gtaa	1434

525 <210> SEQ ID NO: 16

526 <211> LENGTH: 705

527 <212> TYPE: DNA

528 <213> ORGANISM: Nicotiana tabacum

→ 220?

529 <223> OTHER INFORMATION: accD

530 <400> SEQUENCE: 16

531 aatgactatt catctattgt atttcatgc aaataggggg caagaaaact ctatggaaag	60
532 atgggtgtt aattcgatgt tgtaaagaa ggagttcgaa cgccagggtg ggctaaataa	120
533 atcaatgggc agtcttggtc ctattaaaaa tccaaatgaa gatccaaatc gaaaagtgaa	180
534 aaacattcat agttggagga atcgtgacaa ttctagttgc agtaatgtt attattttt	240
535 cggcgtaaa gacattcgaa atttcatctc tgatgacact ttttagtta gtgatagggaa	300
536 tggagacagt tattccatct attttgatat tgaaaatcat attttgaga ttgacaacga	360
537 tcattcttt ctgagtgaac tagaaagtgc tttttagtattatcgaaact cgaattatcg	420
538 gaataatgga ttttagggcg aagatcccta ctataattct tacatgtatg atactcaata	480
539 tagttggaat aatcacatta atagttgcatt tgatagttat cttcagtctc aaatctgtat	540
540 agatacttcc attataagtgc ttagtgcattt ttacgggtac agttacattt atagggccgt	600
541 ttgtgggtt gaaagtgcattt atagtagtgc aaacgagggt tccagtagac gaactcgcac	660
542 gaagggcagt gatttaacta taagagaaag ttctaatgtat ctcga	705

543 <210> SEQ ID NO: 17

544 <211> LENGTH: 21

545 <212> TYPE: DNA

546 <213> ORGANISM: Artificial sequence

→ 220

W--> 547 .

547 <223> OTHER INFORMATION: polylinker

21

E--> 548 <400> SEQUENCE: 17

549 cgcggccgcg ctagcgatcgac

551 <210> SEQ ID NO: 18

552 <211> LENGTH: 7

553 <212> TYPE: DNA

554 <213> ORGANISM: Artificial sequence

W--> 555 < />

→ 220?

555 <223> OTHER INFORMATION: Shine-Dalgarno Sequence

E--> 556 <400> SEQUENCE: 18

557 aggaggu

7

E--> 558 ??

E--> 560 ??

E--> 562 ??

E--> 564 ??

E--> 571 1/14

pls delete

VERIFICATION SUMMARY DATE: 09/21/2006
 PATENT APPLICATION: US/10/591,752 TIME: 11:36:47

Input Set : A:\pto.da.txt
 Output Set: N:\CRF4\09212006\J591752.raw

L:6 M:283 W: Missing Blank Line separator, <120> field identifier
 L:7 M:283 W: Missing Blank Line separator, <130> field identifier
 L:8 M:270 C: Current Application Number differs, Replaced Current Application No
 L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:8 M:283 W: Missing Blank Line separator, <160> field identifier
 L:9 M:283 W: Missing Blank Line separator, <210> field identifier
 L:13 M:283 W: Missing Blank Line separator, <220> field identifier
 L:13 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:15 M:283 W: Missing Blank Line separator, <400> field identifier
 L:15 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:14
 L:43 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1
 L:66 M:283 W: Missing Blank Line separator, <220> field identifier
 L:66 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:68 M:283 W: Missing Blank Line separator, <400> field identifier
 L:68 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:67
 L:91 M:283 W: Missing Blank Line separator, <220> field identifier
 L:91 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:93 M:283 W: Missing Blank Line separator, <400> field identifier
 L:93 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:92
 L:140 M:283 W: Missing Blank Line separator, <220> field identifier
 L:140 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:142 M:283 W: Missing Blank Line separator, <400> field identifier
 L:142 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:141
 L:164 M:283 W: Missing Blank Line separator, <220> field identifier
 L:164 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:165 M:259 W: Allowed number of lines exceeded, <220> FEATURE:
 L:167 M:283 W: Missing Blank Line separator, <400> field identifier
 L:167 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:166
 L:219 M:283 W: Missing Blank Line separator, <220> field identifier
 L:219 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:220 M:259 W: Allowed number of lines exceeded, <220> FEATURE:
 L:221 M:283 W: Missing Blank Line separator, <400> field identifier
 L:250 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:7
 L:250 M:283 W: Missing Blank Line separator, <400> field identifier
 L:259 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:8
 L:259 M:283 W: Missing Blank Line separator, <400> field identifier
 L:268 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:9
 L:268 M:283 W: Missing Blank Line separator, <400> field identifier
 L:287 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
 L:288 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:10
 L:288 M:283 W: Missing Blank Line separator, <400> field identifier
 L:370 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
 L:371 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:11
 L:371 M:283 W: Missing Blank Line separator, <400> field identifier
 L:378 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:12
 L:378 M:283 W: Missing Blank Line separator, <400> field identifier
 L:387 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:13
 L:387 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/591,752

DATE: 09/21/2006
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Input Set : A:\pto.da.txt
Output Set: N:\CRF4\09212006\J591752.raw

L:399 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:400 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:14
L:400 M:283 W: Missing Blank Line separator, <400> field identifier
L:459 M:254 E: No. of Bases conflict, LENGTH:Input:3504 Counted:3540 SEQ:14
L:500 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:15
L:500 M:283 W: Missing Blank Line separator, <400> field identifier
L:530 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:16
L:530 M:283 W: Missing Blank Line separator, <400> field identifier
L:547 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:548 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:17
L:548 M:283 W: Missing Blank Line separator, <400> field identifier
L:555 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18
L:556 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:18
L:556 M:283 W: Missing Blank Line separator, <400> field identifier
L:558 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1
L:560 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:18
L:560 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1
L:562 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:18
L:562 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1
L:564 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:18
L:564 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1
L:571 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:18
L:571 M:254 E: No. of Bases conflict, LENGTH:Input:14 Counted:8 SEQ:18
L:571 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2
L:571 M:252 E: No. of Seq. differs, <211> LENGTH:Input:7 Found:8 SEQ:18